

Please type a plus sign (+) inside this box →

05-31-01

790001-2004

PTO/SB/05 (11/00)

Approved for use through 10/31/2002. OMB 0651-0032
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05/30/01

c679 U.S. PTO

**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

| | |
|------------------------|--|
| Attorney Docket No. | 790001-2004 |
| First Inventor | Hiroyuki Yano |
| Title | Manufacturing Method of Semiconductor Device |
| Express Mail Label No. | EL742673934US |

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:

Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original, and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 41]
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross References to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix.
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 8]
5. Oath or Declaration [Total Pages 2]
 - a. ☒ Newly executed (original or copy)
 - b. ☐ Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 18 completed)
 - i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☒ Application Data Sheet. See 37 CFR 1.76.

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - a. ☐ Computer Readable Form (CFR)
 - b. Specification sequence Listing on:
 - i. ☐ CD-ROM or CD-R (2 copies); or
 - ii. ☐ paper
 - c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS


9. ☒ Assignment Papers (cover sheet & document) (3 pages)
10. ☐ 37 CFR 3.73(b) Statement
- ☐ Power of Attorney
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
15. ☒ Certified Copy of Priority Document
(if foreign priority is claimed)
16. ☐ Request and Certification under 35 U.S.C. 122(b)(2)(B)(i).
Applicant must attach from PTO/SB/35 or its equivalent.
17. ☒ Other: Claim of Priority

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

| | | | |
|---------------------------------------|-------------------------------------|---|---------------------------------|
| <input type="checkbox"/> Continuation | <input type="checkbox"/> Divisional | <input type="checkbox"/> Continuation-in-part (CIP) | of prior application No.: ____/ |
| Prior application information: | | Examiner: ____ | Group/Art Unit: |

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS☒ Customer Number or Bar Code Label (Insert Customer No. or Attach bar code label here) or ☐ Correspondence address belowName **FROMMER, LAWRENCE & HAUG LLP**

| | | | |
|-------------------|---|-----------------------------------|--------------|
| Name (Print/Type) | Grace L. Pan, Esq. | Registration No. (Attorney/Agent) | 39,440 |
| Signature |  | Date | May 30, 2001 |

FEE TRANSMITTAL

Patent fees are subject to annual revision on October 1.
These are the fees effective October 1, 2000.
Small Entity payments must be supported by a small entity statement,
otherwise large entity fees must be paid. See Forms PTO/SB/09-12.

Complete Known

| | |
|----------------------|---------------|
| Application Number | Not Yet Known |
| Filing Date | May 30, 2001 |
| First Named Inventor | Hiroyuki Yano |
| Examiner Name | Not Yet Known |
| Group/Art Unit | Not Yet Known |
| Attorney Docket No. | 790001-2004 |

TOTAL AMOUNT OF PAYMENT

(\$)

METHOD OF PAYMENT

1. ☐ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

| | |
|------------------------|-----------------------------|
| Deposit Account Name | Frommer Lawrence & Haug LLP |
| Deposit Account Number | 50-0320 |

☒ Charge any Additional Fee Required Under 37 CFR 1.16 and 1.17 ☐ Charge the Issue Fee Set in 37 CFR 1.18 at the Mailing of the Notice of Allowance

2. ☒ Payment Enclosed
☒ Check ☐ Money Order ☐ Other

FEE CALCULATION

1. BASIC FILING FEE

| Large Fee Code | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description | Fee Paid |
|----------------|-----------------|----------------|-----------------|------------------------|----------|
| 101 | 710 | 201 | 355 | Utility filing fee | 710.00 |
| 106 | 320 | 206 | 160 | Design filing fee | |
| 107 | 490 | 207 | 245 | Plant filing fee | |
| 108 | 710 | 208 | 355 | Reissue filing fee | |
| 114 | 150 | 214 | 75 | Provisional filing fee | |
| SUBTOTAL (1) | | | | | \$710.00 |

2. EXTRA CLAIM FEES

| Total Claims | Ind. Claims | Multiple Dependent | Extra Claim | Fee from below | Fee Paid |
|--------------|-------------|--------------------|-------------|----------------|----------|
| 22 | -20** = | 2 | X | 18 | 36.00 |
| 5 | -3** = | 2 | X | 80 | 160.00 |
| | | | X | 270 | 0 |

** or number previously paid, if greater; for reissues, see below

| Large Fee Code | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description | Fee Paid |
|----------------|-----------------|----------------|-----------------|--|----------|
| 103 | 18 | 203 | 9 | Claims in excess of 20 | |
| 102 | 80 | 202 | 40 | Independent claims in excess of 3 | |
| 104 | 270 | 204 | 130 | Multiple dependent claim, if not paid | |
| 109 | 80 | 209 | 40 | ** Reissue independent claims over original patent | |
| 110 | 18 | 210 | 9 | ** Reissue claims in excess of 20 and over original patent | |
| 107 | 490 | 207 | 245 | Plant filing fee | |
| SUBTOTAL (2) | | | | | \$196.00 |

FEE CALCULATION

3. ADDITIONAL FEES

| Large Fee Code | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description | Fee Paid |
|---------------------|-----------------|----------------|-----------------|--|----------|
| 105 | 130 | 205 | | Surcharge - late filing fee or oath | 0 |
| 127 | 50 | 227 | 25 | Surcharge - late provisional filing fee or Cover sheet | 0 |
| 139 | 130 | 139 | 130 | Non-English specification | 0 |
| 147 | 2,520 | 147 | 2,520 | For filing a request of reexamination | 0 |
| 112 | 920* | 112 | 920* | Requesting publication of SIR prior to Examiner action | 0 |
| 113 | 1,840* | 113 | 1,840* | Requesting publication of SIR after Examiner action | 0 |
| 115 | 110 | 215 | 55 | Extension for reply within first month | 0 |
| 116 | 390 | 216 | 195 | Extension for reply within second month | 0 |
| 117 | 890 | 217 | 445 | Extension for reply within third month | 0 |
| 118 | 1,390 | 218 | 695 | Extension for reply within fourth month | 0 |
| 128 | 1,890 | 228 | 945 | Extension for reply within fifth month | 0 |
| 119 | 310 | 219 | 160 | Notice of Appeal | 0 |
| 120 | 310 | 220 | 155 | Filing a brief in support of an appeal | 0 |
| 121 | 270 | 221 | 135 | Request for oral hearing | 0 |
| 138 | 1,510 | 138 | 1,510 | Petition to institute a public use Proceeding | 0 |
| 140 | 110 | 240 | 55 | Petition to revive - unavoidable | 0 |
| 141 | 1,240 | 241 | 620 | Petition to revive- unintentional | 0 |
| 142 | 1,240 | 242 | 620 | Utility issue fee (or reissue) | 0 |
| 143 | 440 | 243 | 220 | Design issue fee | 0 |
| 144 | 600 | 244 | 300 | Plant issue fee | 0 |
| 122 | 130 | 122 | 130 | Petitions to the Commissioner | 0 |
| 123 | 50 | 123 | 50 | Petitions related to provisional Applications | 0 |
| 126 | 240 | 126 | 240 | Submission of Information Disclosure Statement | 0 |
| 581 | 40 | 581 | 40 | Recording each patent assignment per property (times number of properties) | 40.00 |
| 146 | 710 | 246 | 355 | Filing a submission after final rejection (37 CFR 1.129(a)) | 0 |
| 149 | 710 | 249 | 355 | For each additional invention to be examined (37 CFR 1.129(b)) | 0 |
| Other fee (specify) | | | | | 0 |
| Other fee (specify) | | | | | 0 |
| SUBTOTAL (3) | | | | | \$40.00 |

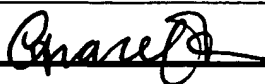
* Reduced by Basic Filing Fee

SUBMITTED BY

Typed or Printed Name

Grace L. Pan, Esq.

Signature



Date

5/30/01

Complete (if applicable)

Reg. Number

39,440

Deposit Account

50-0320

SECRET

Mailed : Via Express Mail Label # EL742673934US

BOX PATENT APPLICATION
Assistant Commissioner for Patents
Washington, D.C. 20231

Signature

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION FOR LETTERS PATENT

TITLE: MANUFACTURING METHOD OF SEMINCONDUCTOR DEVICE

INVENTORS: Hiroyuki Yano et al.

- 34 Pages Specification
- 22 Claims (pages 35 to 40, including 5 independent claims)
- 24 Figures (8 sheets)(Figs. 1A, 1B, 1C, 2A, 2B, 2C, 3A, 3B, 3C, 3D, 3E, 3F, 3G, 4A, 4B, 4C, 5A, 5B, 5C, 5D, 5E, 5F, 5G and 6)
- 1 Page Abstract (p. 41)

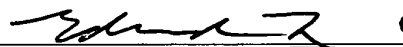
EXPRESS MAIL

Mailing Label Number: EL742673934US

Date of Deposit: May 30, 2001

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" Service under 37 CFR 1.10 on the date indicated above and is addressed to: Assistant Commissioner for Patents, Washington, DC 20231.

EDWARD NAW
(Typed or printed name of person mailing paper or fee)


(Signature of person mailing paper or fee)

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